Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Project Division Yelahanka

Name of Work: Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Est Cost= 50.00Lakhs

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-143)								
	Basic rate	130.00							
	6.00% AW	7.8							
	Sub Total	137.80							
	Loading and unloading with 10km lead= 57+2.00x1.28x10 = 82.60	82.60							
	Sub Total	220.40							
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	1	47.00	0.95	0.70	31.26			
	RHS	1	48.00	0.95	0.70	31.92			
	1st Cross Road								
	LHS	1	46.00	0.95	0.85	37.15			
	RHS	1	56.00	0.95	0.85	45.22			
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	1	47.00	0.95	0.75	33.49			
	4th Main Road (Near Sai Baba Temple)								
	RHS	1	80.00	1.10	0.85	74.80			
	Culverts	3	6.00	2.00	0.75	27.00			
						280.83	**Cum**	**220.40**	**61,894.38**
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-13,I No-4.2)								
	Basic rate	5194.00							
	6.00% AW	311.64							
	Sub Total	5505.64							
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	1	47.00	0.95	0.15	6.70			
	RHS	1	48.00	0.95	0.15	6.84			
	1st Cross Road								
	LHS	1	46.00	0.95	0.15	6.56			
	RHS	1	56.00	0.95	0.15	7.98			
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	1	47.00	0.95	0.15	6.70			
	4th Main Road (Near Sai Baba Temple)								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	RHS	1	80.00	1.10	0.15	13.20			
	Culverts	3	6.00	2.00	0.15	5.40			
	Concrete Road								
	2nd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	5.30	0.20	65.72			
	1st cross (Connecting Rd to Railway Track)	1	25.00	4.55	0.20	22.75			
	Connecting Road 2nd cross road to service road	1	41.00	4.41	0.20	36.16			
						178.00	**Cum**	**5505.64**	**980014.93**
3	KSRB 4-6.4 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(I No-4.31,P No-16)								
	Basic rate	358.00							
	6.00% AW	21.48							
	Sub Total	379.48							
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	4	47.00		0.45	84.60			
	RHS	4	48.00		0.45	86.40			
	1st Cross Road								
	LHS	4	46.00		0.60	110.40			
	RHS	4	56.00		0.60	134.40			
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	4	47.00		0.50	94.00			
	4th Main Road (Near Sai Baba Temple)								
	RHS	4	80.00		0.60	192.00			
						701.80	**Sqm**	**379.48**	**266319.06**
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-14)								
	Basic rate	5659.00							
	6.00% AW	339.54							
	Sub Total	5998.54							
	Raft								
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	1	47.00	0.95	0.15	6.70			
	RHS	1	48.00	0.95	0.15	6.84			
	1st Cross Road								
	LHS	1	46.00	0.95	0.15	6.56			
	RHS	1	56.00	0.95	0.15	7.98			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	1	47.00	0.95	0.15	6.70			
	4th Main Road (Near Sai Baba Temple)								
	RHS	1	80.00	1.10	0.15	13.20			
	Side Wall								
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	2	47.00	0.15	0.45	6.35			
	RHS	2	48.00	0.15	0.45	6.48			
	1st Cross Road								
	LHS	2	46.00	0.15	0.60	8.28			
	RHS	2	56.00	0.15	0.60	10.08			
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	2	47.00	0.15	0.50	7.05			
	4th Main Road (Near Sai Baba Temple)								
	RHS	2	80.00	0.15	0.60	14.40			
						100.61	**Cum**	**5998.54**	**603483.12**
5	KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-18)								
	Basic rate	70966.00							
	6.00% AW	4257.96							
	Sub Total	75223.96							
	Consider 55kg/Cum drain	1	100.61	55.00		**5533.28**			
						5.53	**Tn**		
				Total		**5.53**	**Tn**	**75223.96**	**416234.86**
6	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.25, I.No.5.6 of PW, P&IWTD S.R 2018-19)								
	Basic rate	4596.00							
	6.00% AW	275.76							
	Sub Total	4871.76							
	Culverts	6	6.00	0.45	0.60	**9.72**			
				Total		**9.72**	**Cum**	**4871.76**	**47,353.51**
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.6 of PW,P&IWTD S.R 2018-19)								
	Basic rate	5422.00							
	6.00% AW	325.32							
	Sub Total	5747.32							
	Culverts	6	6.00	0.45	0.10	**1.62**			
				Total		**1.62**	**Sqm**	**5747.32**	**9,310.66**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
8	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Data Rate	2111.00							
	For CC Drain Top Covering Slab								
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	1	32.60	0.75		24.45			
	RHS	1	35.40	0.75		26.55			
	1st Cross Road								
	LHS	1	43.60	0.75		32.70			
	RHS	1	54.20	0.75		40.65			
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	1	36.20	0.75		27.15			
	4th Main Road (Near Sai Baba Temple)								
	RHS	1	80.00	0.90		72.00			
						223.50	**Sqm**	**2111.00**	**471808.50**
9	Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge								
	Basic rate	5111.00							
	Culverts	3	6.00	1.80		32.40			
						32.40	**Sqm**	**5111.00**	**165596.40**
10	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (P.No. 27, I.No. 5.31.2 of PWDSR 2018-19)								
	Basic rate	912.00							
	Area Weightage 6%	54.72							
	Total	966.72							
	For CC Drain Top Covering Slab								
	Near Kodigehalli Main Road								
	Connecting Road 2nd cross road to 1st Cross Road								
	LHS	1.00	14.40	0.75		10.80			
	RHS	1.00	12.60	0.75		9.45			
	1st Cross Road								
	LHS	1.00	2.40	0.75		1.80			
	RHS	1.00	1.80	0.75		1.35			
	1st Cross Road (Vinayaka Vidya Kendra School)								
	LHS	1.00	10.80	0.75		8.10			
						31.50	**Sqm**	**966.72**	**30,451.68**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
11	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.18 of CSR 2018-19)								
	Basic rate	557.00							
	Area Weightage 6%	33.42							
	Total	590.42							
	Concrete Road								
	2nd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	5.30	0.100	32.86			
	1st cross (Connecting Rd to Railway Track)	1	25.00	4.55	0.100	11.38			
	Connecting Road 2nd cross road to service road	1	41.00	4.41	0.100	18.08			
	Sanitary work								
	2nd cross to Service Road	1	45.00	0.90	0.300	12.15			
	1st Cross Road	1	100.00	0.90	0.300	27.00			
	3rd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	0.90	0.300	16.74			
	In service road	1	40.00	0.90	0.300	10.80			
						129.01	**Cum**	**590.42**	**76,167.72**
12	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2018-19)								
	Basic rate	41.00							
	Loading and unloading with 20km lead= 57+2.0x1.28x20 = 108.2	108.20							
	Area Weightage 6%	2.46							
	Final Rate	151.66							
	Concrete Road								
	2nd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	5.30	0.25	82.15			
	1st cross (Connecting Rd to Railway Track)	1	25.00	4.55	0.25	28.44			
	Connecting Road 2nd cross road to service road	1	41.00	4.41	0.20	36.16			
						146.75	**Cum**	**151.66**	**22,256.03**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
13	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum) ((P.No.176, I.No.22.6.2 of PW,P&IWTD SR 2018-19)								
	Basic rate	4838.00							
	6.00% AW	290.28							
	Sub Total	5128.28							
	Concrete Road								
	2nd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	5.30	0.15	49.29			
	1st cross (Connecting Rd to Railway Track)	1	25.00	4.55	0.15	17.06			
	Connecting Road 2nd cross road to service road	1	41.00	4.41	0.15	27.12			
						93.47	**Cum**	**5128.28**	**479360.84**
14	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.174, I.No.22.7 of PW, P&IWTD SR 2018-19)								
	Basic rate	68.00							
	6.00% AW	4.08							
	Sub Total	72.08							
	Concrete Road								
	2nd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	5.30		328.60			
	1st cross (Connecting Rd to Railway Track)	1	25.00	4.55		113.75			
	Connecting Road 2nd cross road to service road	1	41.00	4.41		180.81			
						623.16	**Sqm**	**72.08**	**44,917.37**
15	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 **(P.No.155, I.No.20.18 of PW,P&IWTD SR 2018-19)**								
	Sanitary work								
	2nd cross to Service Road	1	45.00	0.90	0.25	10.13			
	1st Cross Road	1	100.00	0.90	0.25	22.50			
	3rd Cross Road (Sai Baba Temple Back side Rd)	1	62.00	0.90	0.25	13.95			
	In service road	1	40.00	0.90	0.25	9.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	deduct Manhole Qty	-7	1.20	0.90	0.25	-1.89			
						53.69	**Cum**	2001.28	**107438.72**
	A.Basic rate	**1888.00**							
	C (Area Weightage 6%)	**113.28**							
	D=A+B+C(Sub Total)	**2001.28**							
	E(Total)	**2001.28**							
16	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for: **Pipes of all dia. for depth upto 2.0 M in all types of soils Note : If any shoring and strutting, will be paid separately (BWSSB SR 17-18, P.51, I No.1.1-A050A)**								
	Sanitary work								
	2nd cross to Service Road	1	45.00	0.90	1.90	76.95			
	1st Cross Road	1	100.00	0.90	1.90	171.00			
	3rd Cross Road (Sai Baba Templ	1	62.00	0.90	1.90	106.02			
	In service road	1	40.00	0.90	1.90	68.40			
	deduct Manhole Qty	-7	1.20	0.90	1.60	-12.10			
						410.27	**Cum**	167.00	**68,515.76**
17	Supplying, lowering, laying, jointing, testing and commissioning of Glazed Stone Ware Pipes of following dia, conforming to IS 651:1992, IS 4127 with latest amendments, including conveying to work site, caulking with hemp dipped in tar and jointing with CM 1:1.5 using OPC, perfect linking and curing for 10 days and testing with water etc. with all lead, lifts and as per Technical Specifications. The cost to include the cost of all jointing materials, necessary survey works for laying of sewer lines etc. complete. The contractor will make own arrangements for procuring water for testing. **230 mm dia. pipes(BWSSB SR 17-18, P.157 I.No 3.4 T030D)**								
	Sanitary work								
	2nd cross to Service Road	1	45.00			45.00			
	1st Cross Road	1	100.00			100.00			
	3rd Cross Road (Sai Baba Temple I	1	62.00			62.00			
	In service road	1	40.00			40.00			
	deduct Manhole Qty	-7	1.20			-8.40			
						238.60	Rmt	467.00	**111426.20**
18	Labour charges for laying and jointing glazed stone ware pipes of 0.6m length and of specified dia., of tested quality conforming to IS 651 of 1965 including caulking with hemp yarn, jointing with CM 1:2 and testing with water etc. complete for: (Rate to include cost of jointing materials and transportation of pipes from store work site but excluding the cost of earth work) - **Glazed Stone Ware pipe of 230 mm dia (P.No 159 I .No.7.3 BWSSB 2017-18)**								
	Sanitary work								
	2nd cross to Service Road	1	45.00			45.00			
	1st Cross Road	1	100.00			100.00			
	3rd Cross Road (Sai Baba Temple I	1	62.00			62.00			
	In service road	1	40.00			40.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	deduct Manhole Qty	-7	1.20			-8.40			
						238.60	Rmt	108.00	**25768.80**
19	Supplying lowering laying, jointing, testing and commissioning of following diameters glazed stone ware pipes, conforming to IS 651:1992, (with 5th revision) in all respects jointing with EPDM rubber rings (seals according to EN 681 & ASPM 425) The rubber seals joints pipe will have groves in interior of socket and exterior of the spigot. The rubber gasket shall be prefixed at the factory by the manufacturer rigidly with approved glue to have leak proof joint including conveying of pipe to work site and rolling and lowering into trenches, laying true to line, level and perfect linking at joints testing and commissioning including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of GSW pipes and specials, with rubber gaskets conforming to EN 681 and ASTM C-425 including cleaning the socket and spygot with soap solution and applying talcum powder for detecting crack, then applying glue and before inserting of rubber gaskets, jacking and fixing in perfect condition including the cost of soap solution, talcum powder and glue etc. and giving necessary hydraulic test to the required pressure of water head with all lead and lifts including costing of jointing materials and all necessary survey works for laying of sewers etc., and disposal of debris as directed etc., complete. (Contractor will make his own arrangements for procuring for testing) with Rubber ring gasket joints **(BWSSB SR 2017-18, P-158 I-4.1, T040A)**								
	House Connection In Kodgehalli	1	81.00			**81.00**			
						81.00	No's	241.00	**19521.00**
20	Refilling pipeline and foundation with selected trenches available earth form trench excavation and foundation inlcuding 5 watering, consolidation in layers of 15cms., thickness including disposing off the surplus earth with all leads & lifts.**(BWSSB SR 2016-17, P-9 I-2)**								
	Sanitary work								
	Earth work Qty					410.27			
	Deduction								
	Pipe Volume	-1	247	0.79	0.05	-10.26			
	WMM Qty					-53.69			
						346.33	Cum	62.00	**21472.18**
21	Dismantling the damaged or collapsed manhole of 4" dia conical in shape and reconstructing the same with machine made wire 6 brick in CM (1:4) as per design and specification of new cut manhole 4" dia with old frame and cover excluding bed concrete 13.6 **(BWSSB SR 2016-17, P-97, I-92 MTR DEPTH)**								
	old manhole								
	Manhole raising	3				3.00			
						3.00	No's	7358.00	**22074.00**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
22	Providing and constructing "WIRE CUT BRICK MANHOLE CHAMBERS" using suplhate resistant cement, coNickel in shape at top, with CC 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15M alround the chamber. Construct Brick masonry in CM 1:4, 340 mm thick, with wirecut bricks of approved quality, plaster inside and out side with CM 1:3, 12 mm thick, except for the coNickel surface outside where the plaster thickness shall be 20 mm. Slope inside to be 1:6 in the concrete towards central drain and finished smooth. Fixing of pipes in CC 1:2:4 with graded metal of 20 mm and down size. Supplying and fixing SFRC manhole frame and cover conforming to IS:12592 with latest amendment, in CC 1:2:4. Supplying and fixing footsteps made of 12 mm dia. steel bars (Fe-415) with 3 mm thick plastic encapsulation (IS-10910). The footsteps shall be fixed 30cms apart and on CC block embedded to masonry wall. The whole works include excavation in all types of soils, watering, curing, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, de-watering, engraving manhole number with flow direction on the inner coNickel surface etc. as per the drawing etc. as per technical specifications and for the following diameters and depth etc. for:. (inclusive of earthwork for all types of soil) **(BWSSB SR 2017-18, P-168 I-T300)**									
	1.2 m diameter manholes	Nos							
	For 1.2 m depth (I No. T300C)		3			3.00		20697.00	**62091.00**
	For 1.4 m depth (I No. T300E)		3			3.00		23104.00	**69312.00**
	For 1.6 m depth (I No. T300G)		1			1.00		25734.00	**25734.00**
23	Disposong off the excess excavated earth of all type up to a distance mentioned Every Km beyond 5 KM 8 Considering 10 Km below by vehicle including loading unloading with all lifts labour HOM of machinery etc., complete **(BWSSB SR 2016-17, Pg-10, Item-7)**								
	Pipe Volume					10.26			
	WMM Qty					53.69			
						63.95	cum	147.00	**9400.44**
24	Hire Charges for 2HP dewatering pump to bail out water at leaking pits inclusive of hire charges etc, complete Rs.1300/- per day of 8hours shift per day **(BWSSB SR 16-17 Sl.No-4, P-34)**								
						5.00			
						5.00	Days	1300.00	**6500.00**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	A.Total Construction Cost								4224336.11
	B.Cost towards PMC / Third Party inspection LS=A*2%								84,486.72
	C.Cost towards 12% GST=(A+B)*12%								517058.74
	D.Cost towards 3% KRIDL Charges+ 1% CESS=(A*4%)								168974.00
	E.Sub Total=(A+B+C+D)								4994855.57
	F.Miscellaneous and rounding off								5,144.43
	G.Total =(E+F)								5000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer,
Project Division Yelahanka
BBMP Bangalore
12/X/18

Administrative Approval

Accorded For Rs. 50-00 Lakhs
Head of A/C P-3296
CER NO :12 Dt:30/11/18

E.E. (Project) 30/11

Technical Sanction

Accorded For R.S.Sr.no.Lacshems
Head of A/C P3296
CER NO :S/III/18,19 Dt:30.11.18

TA CE (YNK)